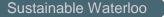


Environmental Leadership in Waterloo Region

Climate Change Conference 2010

Mike Morrice Executive Director Sustainable Waterloo August 14th 2010







Environmental Leadership in Waterloo Region



Sustainable Waterloo Overview

The Regional Carbon Initiative

Case study: Community-based Collaboration

Discussion





Sustainable

Environmental Leadership in Waterloo Region

Not-for-profit

Mission:

To advance the environmental sustainability of organizations across Waterloo Region through collaboration.





Our Approach

To advance the environmental sustainability of organizations across Waterloo Region through collaboration.





Our Team

- 3 Staff, 2 Coops:
 - Mike Morrice, Executive Director
 - Helena Kwiecinski, Events Manager
 - Matthew Day, GHG Services Manager
 - Miles DePaul, Tasha Barszo(coop) Program Coordinators

29 volunteers







Regional Carbon Initiative

The Regional Carbon Initiative facilitates voluntary target-setting and reductions of carbon emissions in organizations across Waterloo Region.







Current Membership

Pledging Partners ENERMODAL ENGINEERING //XCG nena ERNST & YOUNG Quality In Everything We Do Deloitte & Touche (Bronze)

Deloitte. 20% Reduction in 10 years

Sustaining Partners



Virtual Causeway (Bronze) •20% reduction in 10 years

Observing Organizations

•100% Reduction in 10 years
VeriForm Inc. (Gold) •100% Reduction in 10 years
XCG Consultants (Gold) •100% Reduction in 10 years
Athena Software (Bronze) •20% Reduction in 10 years
Pano Cap Canada (Bronze) •20% Reduction in 10 years
Mennonite Central Committee (Bronze) •20% Reduction in 10 years
Ernst & Young (Bronze) •20% Reduction in 10 years

VIP	Energy	Services

Brighton Yards

City of Waterloo

Farm Mutual Reinsurance Plan

Gore Mutual Insurance

Mennonite Savings and Credit Union

Northern Digital Inc. (NDI)

Ontario Teachers Insurance Plan (OTIP)

Quarry Integrated Communications

United Way KW & Area

Canada Green ESCO

The Economical Insurance Group

The Region of Waterloo

The Waterloo Region Record

Wilfrid Laurier University

Sun Life Financial

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Environmental Leadership in Waterloo Region

The Regional Carbon Initiative

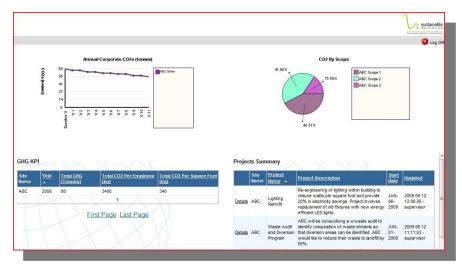


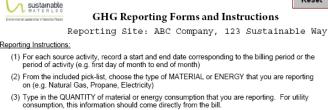


Reset

Carbon Emissions Reporting Tool

- Quantifies GHG Emissions
- Helps us and members monitor reduction targets
- Easy to use, simple to upload data via PDFs





```
(4) From the pick-list, select the unit of measure for the consumption or activity (e.g. kWh, m3, yd3). For utility consumption, this information can be found directly on the bill.
```

- (5) Complete other boxes as applicable (Departure City, Flight #, Waste Material) etc.
- (6) After completing the form, record your pre-assigned USER NAME and PASSWORD and click the SUBMIT button to upload your information to Sustainable Waterloo for calculating CO2 totals. Please contact Sustainable Waterloo in the event that you forget your USER NAME or PASSWORD, or for additional assistance in completing the form.

Electricity Use:

Start Date (dd-mon-yyyy)	End Date (dd-mon-yyyy)	Quantity	Units	Comments (Optional)
01-Jan-2008	31-Jan-2008	10,000.00	kWh 💽	
01-Feb-2008	28-Feb-2008	7,000.00	kWh 💌	
			kWh 🔹	

Heating:

Start Date (dd-mon-yyyy)	End Date (dd-mon-yyyy)	Energy Type	Quantity	Units	Comments (Optional)
01-Jan-2008	31-Jan-2008	Natural Gas 🔄	2,000.00	m3 🔸	
01-Feb-2008	28-Feb-2008	Natural Gas 🖃	2,000.00	m3 🔹	
		Natural Gas 🕒		m3 🔸	





Services provided to Members







Educational Forums





Next Event: Tuesday September 21st Topic: Green Teams





Technical Workshops



Last Event: June 16, 2010 Topic: Financial Incentive Programs





Peer-to-Peer Networking Events



Last event: March 30th 2010 Location: Communitech Accelerator Centre





2009 – 2010 Event Season

Educational Forums

- LEED Buildings
- Low-Impact Commuting
- The Implications of Copenhagen
- Feed-in-Tariff Program (FIT)

Technical Workshops

- GHG Inventories
- Developing GHG Reduction Projects
- Energy Audits
- Financial Incentive Programs

Regional Carbon Initiative Evening of Recognition

An annual event to recognize the efforts of Regional Carbon Initiative members and to launch our year-end report.

Tuesday, March 23rd, 2010

Attendees: 283







GHG Services Directory

Sustainable WATERLOO

Environmental Leadership in Waterloo Region

About Us

Regional Carbon Initiative

Events

Current Support

Volunteer Opportunities

Newsroom

Contact Us

Regional Carbon Initiative

Environmental Leadership in Waterloo Region

Sustainable Waterloo guides corporations in Waterloo Region towards a more environmentally sustainable future by facilitating collaboration between industry, local government, academia, and NGOs

GHG Services Directory

[Login]

The GHG Services Directory helps Regional Carbon Initiative Members meet their carbon reduction targets by putting them in contact with experienced GHG Services Professionals that will help them identify and realize reduction opportunities.

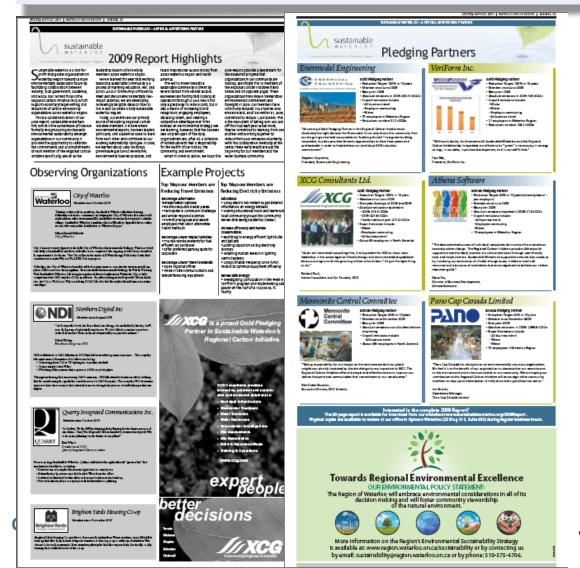
The GHG Professionals are organized in the directory both by name and area specialization.

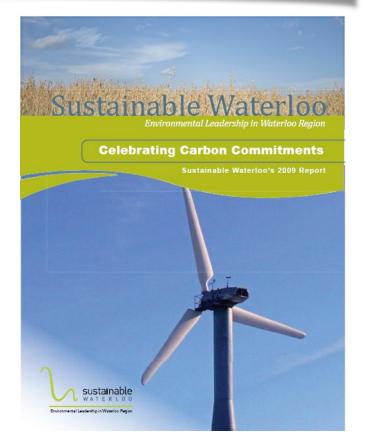






Reporting / Public Recognition





2009 Report Available on our website at www.sustainablewaterloo.org/2009report

Environmental Leadership in Waterloo Region

Membership Options

- Report on and work towards carbon emission reductions
- Publicly communicates reduction targets



Pledging Partner

- Provided with same service offering as Pledging Partners
- Either use alternative programs to track and report emissions or are working towards future participation



Observing Organizations

Schedule of Annual Fees

	Number of Employees	1-5	6-10	11-25	26-50	51-100	101-500	501+
	Annual Fee	\$500	\$700	\$1,000	\$2,000	\$3,000	\$4,000	\$5,000
Region Carbor Initiativ	n (💕 J)						0	

Sustainable

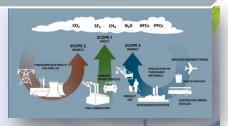
Environmental Leadership in Waterloo Region

Case Study: Community-based Collaboration





The Problem - Framework



How do we create a framework for local organizations to voluntarily commit to reduce their emissions?

Adopt an existing framework

- Focus on a prescribed, collective target
- "Laissez-faire" emissions tracking

Engage the Local Community

- Develop a unique framework as defined by a working group
- Strict standards and practices







Case Study: External Working Group













Key Goals of the Reduction Framework

Ambitious,
yet realisticShort-
medium
term timelineFlexibleSimple

Collaborative

To determine an ambitious, yet realistic, carbon reduction framework for organizations that participate in Sustainable Waterloo's Regional Carbon Initiative.





Overview of Reduction Framework Creation Process



Feb 09: Preliminary Working Group

□ **Timeline:** Met 8 times from Feb – Mar 2009

Output: Options Paper

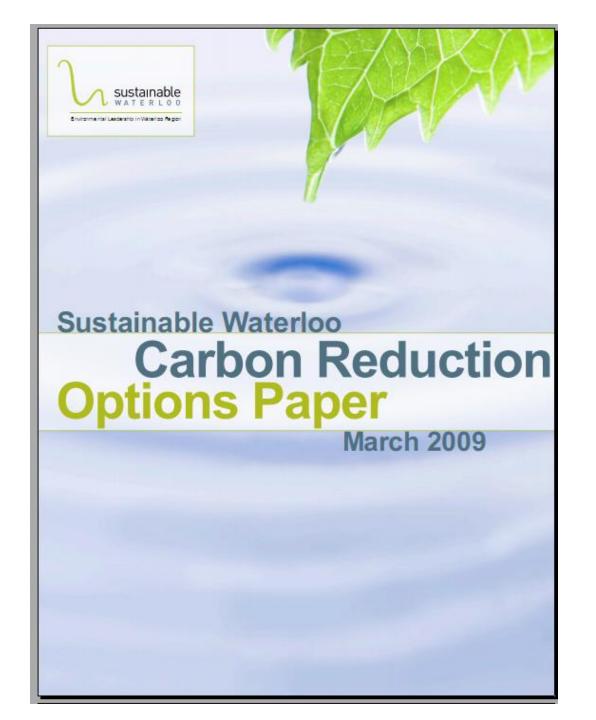
- Detailed key decisions for the External Working Group
- Explained all of our research to-date

Composition:

Regiona Carbon Initiative

- Led by Sustainable Waterloo Facilitator & GHG Services Manager
- 2 additional Sustainable Waterloo volunteers
- 4 external environmental professionals

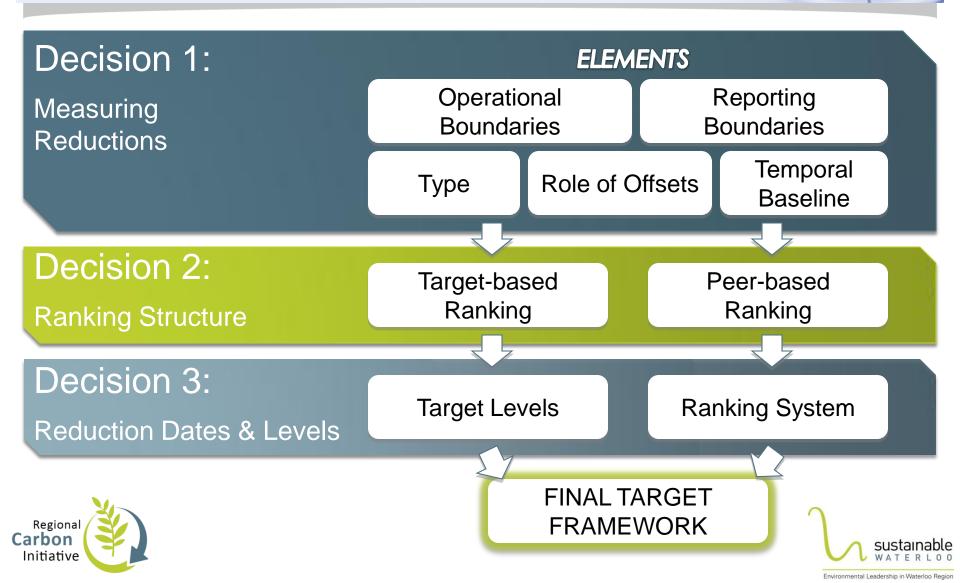








Options Paper: Decision Tree



March 09: External Working Group

□ **Timeline:** Met every 2 weeks from March – May 2009

Output:

Consensus on a carbon reduction framework for future members of the Regional Carbon Initiative

Composition:

10 members from local industry / high-tech firms

3 members each from local govt, academia & NGOs





Participants

Industry (10)

- Open Text, DALSA, NDI, Maplesoft
- Ernst & Young, Google, Christie Digital

Local government (3)

- City of Kitchener, City of Waterloo
- Region of Waterloo

Academia (3)

- University of Waterloo
- Wilfrid Laurier University

NGOs (3)

- REEP, CREW
- The David Suzuki Foundation





Region of Waterloo



University of

Waterloo

David Suzuki Foundation



External Working Group Participants



The Reduction Framework

- Mandatory Reporting Boundary:
 - Scope 1: Onsite emissions
 - Scope 2: Electricity consumption
 - Scope 3: Air Travel
- Optional additional Scope 3 Items:
 - D Vehicle Business Travel
 - Commuting Travel
 - Waste
 - Water

- Operational Boundary
 - At least Waterloo Region
- Reporting:
 - Choice: Absolute or intensity commitments
 - Mandatory absolute reporting
 - Baselines from 2007 or later
 - Offsets: Less than 49% of total reductions



The Reduction Framework

	2 years	4 years	6 years	8 years	10 years
Gold	20%	34%	44%	52%	60%+
Silver	10%	20%	28%	35%	40%+
Bronze	5%	10%	14%	17%	20%+





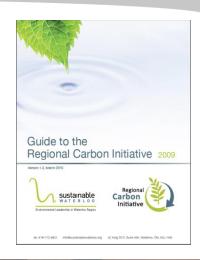
Outcomes of the External Working Group

Guide to the Regional Carbon Initiative

- Included the reduction framework, reporting procedure & accounting methodology
- Created a level playing field for future members

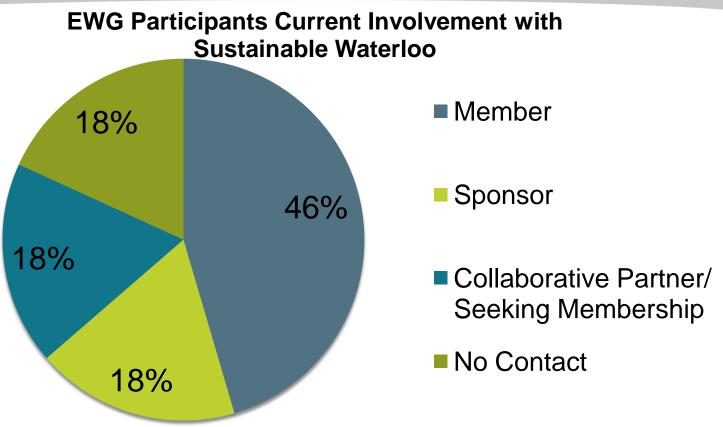
The Regional Carbon Initiative Launch Event (June 2009)

- Introduced the framework with 3 early adopters
- Participants Support and/or Adopt
 - Participate on Advisory/Board of Directors and/or Sponsor Events – 18%
 - Current Member in Regional Carbon Initiative 46%
 - Working with us collaboratively and/or working towards membership –18%





Outcomes of the External Working



 82% of External Working Group participants are still actively involved with Sustainable Waterloo

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Questions?



